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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICATION NO:	
	FILING DATE:	
	FIRST NAMED INVENTOR:	Francis M. Carlson
	ART UNIT:	
	EXAMINER NAME:	
	DOCKET NO:	Yates-CDP-US-NProv

I. U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO. & KIND CODE (if known)	PUB'N DATE mm-dd-yyyy	PATENTEE OR APPLICANT NAME	CLASS	SUBCLASS	FILING DATE mm-dd-yyyy
DS	4,883,122	11/28/1989	Puri et al.	166	263	11/27/1988
DS	5,785,131	07/25/1998	Gray	175	46	03/18/1996

II. FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Foreign Patent Document Country Code, Number, Kind Code (if known)	PUB'N DATE mm-dd-yyyy	PATENTEE OR APPLICANT NAME	TRANSLATION	
				Yes	No
DS	WO 01/77628 A1	10/18/01		X	

III. OTHER DOCUMENTS (Including Author (in CAPITAL LETTERS), Title, Date, Pertinent Pages, Etc.)

DS	American Petroleum Institute: <u>API RP 44: Recommended Practice for Sampling Petroleum Reservoir Fluids</u> , First Edition, available through Global Engineering Documents, 15 Inverness Way East, Englewood CO 80150 USA. Phone (800) 854-7179, http://global.ihs.com , January 1966, pp iii, iv, 1-33.
DS	Amirijafari, B. and Campbell, J. M.: "Solubility of Gaseous Hydrocarbon Mixtures in Water", SPE 3106, <u>Society of Petroleum Engineers Journal</u> , February, 1972, pp 21-27.
DS	Craft, B. C., Hawkins, M. F., and Terry, R.E.: <u>Applied Petroleum Reservoir Engineering</u> , Second Edition, Prentice-Hall, Englewood Cliffs, NJ, 1991, pp 33-34.
DS	Crockett, F. and Meyer, J.: "Update and Revision of Interim Drainage Report on Coalbed Methane Development and Drainage of Federal Land in the South Gillette Area, Campbell and Converse Counties, Wyoming T. 40-50 N., R. 70-75 W", available as a download file at http://www.wy.blm.gov/minerals/og/cbmdocs/CBMDrainRpt.pdf , Feb. 2001, pp 1-16.
DS	Culberson, O. L. and McKetta, J. J.: "Phase-Equilibria in Hydrocarbon-Water Systems III—Solubility of Methane and Water at Pressures to 10,000 psia", <u>Trans. AIME</u> , Vol 192, 1951, pp 223-226.
DS	Donovan, W. S.: "Coalbed Methane Gas Content Determined by Mudlogging Methods", presented at Rocky Mountain Association of Petroleum Geologists Nov. 16, 2001, presentation available at http://www.mudlogger.com/private/RMAG_011116.pdf , copyrighted by Donovan Brothers, Inc., 2001, pp 1-31 and 3 page cover letter.

DS	Earlougher, R.C.: <u>Monograph Volume 5: Advances in Well Test Analysis</u> , Society of Petroleum Engineers, 1977, ch. 8, pp 90 – 104.
	Eddy, G. E., Rightmire, C. T. and Byrer, C. W.: "Relationship of Methane Content of Coal Rank and Depth: Theoretical Vs. Observed", SPE/DOE 10800 presented at <u>SPE/DOE Unconventional Gas Recovery Symposium of the Society of Petroleum Engineers</u> , Pittsburgh, PA. May 16-18, 1982, pp 117-119, figs. 1-4 and Table 1.
	Gray, I: "Reservoir Engineering in Coal Seams: Part 1—The Physical Process of Gas Storage and Movement in Coal Seams", <u>Society of Petroleum Engineers Reservoir Engineering</u> , SPE 12514, February 1987, pp 28-34.
	Keech, D. K. and Gaber, M. S.: "Methane in Water Wells", WWJ, available as a download at http://www.seagrant.umn.edu/groundwater/pdfs/Methane.pdf , February, 1982, pp 33-36.
	Koenig, R. A.: "Hydrologic Characterization of Coal Seams for Optimal Dewatering and Methane Drainage", in <u>Methane from Coal Seams Technology</u> , Gas Research Institute (now GTI), Chicago, November 1988, p. 34.
	Koenig, R. A. and Schraufnagel, R. A.: "Application of the Slug Test in Coalbed Methane Testing", in <u>Coalbed Methane</u> , SPE Preprint Series, No. 35, Society of Petroleum Engineers, Richardson, TX, 1992, pp 79-89.
	McCain, W.D., Jr: <u>The Properties of Petroleum Fluids, Second Edition</u> , Pennwell, Tulsa, 1990, pp 249 – 251, 444 – 447.
	McCain, W. D., Jr: "Reservoir Fluid Properties—State of the Art", <u>Society of Petroleum Engineers Reservoir Engineering</u> , SPE 18571, May 1991, pp 266-272.
	Perry, R. H., Green, D. W., and Maloney, J. O.: <u>Perry's Chemical Engineering Handbook, 7th Edition</u> , (McGraw-Hill, 1997), Table 2-137.
	Seidle, J.P. and Arri, L.E.: "Use of Conventional Reservoir Models for Coalbed Methane Simulation", CIM /SPE 90-118, presented at The Canadian Instituted of Mining/Society of Petroleum Engineers International Technical Meeting, Calgary, Alberta, Canada, June 10-13, 1990, pp 118-1 to 118-11 and 6.46.
	Sigra – Essential Products and Services, http://www.sigra.com.au/innov.htm , pp 1 – 3, 1/14/03
	Unknown, <u>Methane from Coal Seams Technology</u> , Gas Research Institute (now GTI), Chicago, December 1986, p. 28.
	Way, S.C.: "Hydrologic Characterization of Coal Seams for Optimal Dewatering and Methane Drainage", <u>Methane from Coal Seams Technology</u> , Gas Research Institute (now GTI), Chicago, July 1986, p. 39.
	Whitson, C. H. and Brule, M. R.: <u>SPE Monograph Volume 20: Phase Behavior</u> , Society of Petroleum Engineers, 2000, ch. 9, pp 142 – 161.
	United States Provisional Patent Application Number 60/451,218 filed 02/28/2003, entitled Methods to Determine Critical Desorption Pressure in Undersaturated Coalbed Methane Reservoirs and Methods of Coalbed Methane Reservoir Characterization, 51 pages and 8 drawings
	United States Provisional Patent Application Number 60/527,130 filed 12/05/2003, entitled Coalbed Methane Reservoir Characterization and Sampling Systems, 54 pages and 8 drawings
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EXAMINER	/Daniel Stephenson/	DATE CONSIDERED	09/16/2006
EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			